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January 15, 1976

ERTS

E7.6-10242

CR-146525

Randy L. B...

Progress Report #2

NASA Contract # NAS5-20945, Investigation #2319B

A. Problems - None encountered.

B. Accomplishments - All contracts have now been completed and signed by participants. I met with representatives of Stanford Research Institute (SRI) on December 22 to discuss the availability of their equipment and technical support for image enhancement and manipulation. It appears that the middle of February will be most convenient time to start. I forwarded all available satellite imagery to SRI for preliminary screening. One of the first tasks for SRI will be to prepare a movie from the available imagery for the San Francisco Bay-Delta. From knowledge of local environmental conditions (water truth) we will then try to relate observed image patterns to known water quality conditions.

During the past reporting period, and continuing into the current, we have been examining data sources to determine the extent of data availability for those specific days when satellite coverage was available. It appears that there are a large amount of data available from various sources outside our organization which may be useful in defining water quality conditions in the two target areas.

C. Significant Results - None to date.

D. Publications - None

E. Recommendations - None

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(E76-10242) [WATER QUALITY CONDITIONS IN  
SAN FRANCISCO BAY DELTA] Progress Report  
(California State Dept. of Water Resources)  
2 p HC \$3.50

Progress Report No. 2 (Cont.)

F. Funds Expended - An accounting is not available as to expenditures. With only \$22,000 available in the program (which includes the \$10,000 grant from NASA) much of the work will be concentrated in the May through August period for data interpretation and preparation of the final report.

G. Data Use

<u>Value of Data Allowed</u>	<u>Value of Data Ordered</u>	<u>Value of Data Received</u>
\$1,400	\$786	\$786

H. Aircraft Data - None ordered to date, although in the next few days I will order approximately 10-20 prints from USGS from September 2nd U-2 flights.